

*Application No. 09/706,592
Response to Official Action
November 21, 2006*

Attorney Docket No. DN38415R1

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In the Claims

The following listing of claims will replace all prior versions of the claims in this application.

Listing of Claims

Claims 1-15 (cancelled)

Claim 16 (currently amended): A method of establishing a wireless communication network by means of a first device capable of wireless communication, said method comprising:

(a) at the first device, before the establishment of a wireless communication network comprising a second device capable of wireless communication, sending via wireless transmission a wireless message utilizing a standard modem command selected from a standard modem command format, but substituting for modem information normally associated with the standard modem command in said standard modem command format, wireless network information which is foreign to said standard modem command format, said wireless network information to be utilized concerning the initial establishment of a wireless communication network including the second device; and

(b) at the second device receiving the wireless message sent via wireless transmission, and taking action based on the wireless network information which is foreign to said standard modem command format, sent by the first device, for the initial establishment of the wireless communication network accommodating wireless network communication including the second device,

(c) wherein the wireless network information relates specifically to the initial establishment of wireless linkage in the wireless communication network.

***Application No. 09/706,592
Response to Official Action
November 21, 2006***

Attorney Docket No. DN38415R1

Claim 17 (currently amended): A wireless communication system comprising:

- (a) at least one first device capable of wireless communication, for generating at least one network establishment signal having network establishment information incorporated into a standard modem command selected from a standard modem command format, where said network establishment information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format; and
- (b) at least one second device capable of wireless communication;
- (c) said network establishment signal being sent via wireless transmission from the first device and being received by the second device, whereby a wireless communication network comprising the first device and the second device is created pursuant to the network establishment signal having said network establishment information which is foreign to said standard modem command,
- (d) wherein the network establishment information relates specifically to a wireless linkage in the wireless communication network.

Claim 18 (currently amended): A method of communicating with a device having a device wireless communication system capable of wireless communication, said method comprising:

- (a) establishing a wireless network including the device wireless communication system by incorporating wireless network establishment information into a standard modem command selected from a standard modem command format where said wireless network establishment information is foreign to said standard modem command and is

Application No. 09/706,592
Response to Official Action
November 21, 2006

Attorney Docket No. DN38415R1

not associated with said standard modem command according to said standard modem command format, and sending to the device wireless communication system the wireless network establishment information incorporated in said standard modem command ; and

(b) after the wireless network including the device wireless communication system has been created pursuant to the wireless network establishment information which is foreign to said standard modem command, effecting communication via the newly created network including the device wireless communication system,

(c) wherein the wireless network establishment information relates specifically to the creation of wireless linkage in the wireless communication network.

Claim 19 (cancelled)

Claim 20 (cancelled)

Claim 21 (cancelled)

Claim 22 (previously presented): A method as in claim 18 wherein after establishment of the wireless communication network comprising the device wireless communication system, a message is generated comprising an instruction utilizing a standard modem command format to leave a response mode where a response is made via wireless transmission to an incoming wireless message, and to enter a quiet mode where no response via wireless transmission is made to an incoming wireless message.

Claim 23 (previously presented): A method as in claim 18 wherein after establishment of the wireless communication network comprising the device wireless communication system, a message is generated comprising an instruction utilizing a standard modem command format to leave a quiet mode where a response is not sent to an incoming

Application No. 09/706,592
Response to Official Action
November 21, 2006

Attorney Docket No. DN38415R1

wireless message, and to enter a response mode where a response is sent via wireless transmission to an incoming wireless message.

Claim 24 (previously presented): A method as in claim 18 wherein after establishment of the wireless communication network comprising the device wireless communication system, a message is generated comprising an instruction utilizing a standard modem command format to leave a text response mode where a text response is made via wireless transmission to an incoming wireless message, and to enter a numeric response mode where a numeric response via wireless transmission is made to an incoming wireless message.

Claim 25 (previously presented): A method as in claim 18 wherein after establishment of the wireless communication network comprising the device wireless communication system, a message is generated comprising an instruction utilizing a standard modem command format to leave a numeric response mode where a numeric response is made via wireless transmission to an incoming wireless message, and to enter a text response mode where a text response via wireless transmission is made to an incoming wireless message.

Claim 26 (currently amended): A wireless communication system comprising:

(a) a device having a device wireless communication subsystem capable of wireless communication, for processing at least one network establishment signal having network establishment information incorporated into a standard modem command selected from a standard modem command format, where said network establishment information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format;

**Application No. 09/706,592
Response to Official Action
November 21, 2006**

Attorney Docket No. DN38415R1

(b) said device wireless communication subsystem being responsive to the network establishment information which is foreign to said standard modem command sent via wireless transmission to become part of a wireless network,

(c) wherein the network establishment information relates specifically to a wireless linkage in the wireless communication network.

Claim 27 (cancelled)

Claim 28 (cancelled)

Claim 29 (cancelled)

Claim 30 (previously presented): A wireless communication system as in claim 26 wherein the network establishment information comprises a network parameter to be used in becoming part of the wireless network

Claim 31 (currently amended): A wireless communication system comprising:

(a) a device having a device wireless communication subsystem capable of wireless communication, for processing a network establishment signal having identification information incorporated into a standard modem command selected from a standard modem command format, where said identification information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format;

(b) said device wireless communication subsystem receiving the network establishment signal via wireless, and using the identification information which is foreign to said standard modem command to become part of a wireless network,

Application No. 09/706,592
Response to Official Action
November 21, 2006

Attorney Docket No. DN38415R1

(c) wherein the device wireless communication subsystem is responsive to the identification information to control a wireless linkage per se in the wireless communication network.

Claim 32 (currently amended): A wireless communication system comprising:

(a) a device having a device wireless communication subsystem capable of wireless communication, for processing at least one control signal having network operation information incorporated into a standard modem command selected from a standard modem command format, where said network operation information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format;

(b) said device wireless communication subsystem receiving said at least one control signal via wireless transmission, and being responsive to the network operation information which is foreign to said standard modem command to control its operation as part of a wireless network,

(c) wherein the device wireless communication subsystem is responsive to network operation information which relates specifically to wireless linkage in the wireless network.

Claim 33 (previously presented): A wireless communication system as in claim 32 wherein the network operation information comprises an awake time value to be used during operation in connection with the wireless network.

Claim 34 (currently amended): A method of communicating with a device comprising a device wireless communication system capable of wireless communication, said method comprising:

Application No. 09/706,592
Response to Official Action
November 21, 2006

Attorney Docket No. DN38415R1

(a) generating at least one control signal having control information incorporated into a standard modem command selected from a standard modem command format, where said control information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format;

(b) sending via wireless transmission directly to the device wireless communication system said control signal having control information incorporated into said standard modem command selected from the standard modem command format, where said control information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format; and

(c) at the device wireless communication system responding to the control information incorporated into said standard modem command selected from the standard modem command format to effect a control operation even though said control information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format.

Claim 35 (currently amended): A wireless communication system comprising:

(a) a device having a device wireless communication subsystem capable of wireless communication, for processing at least one control signal having control information incorporated into a standard modem command selected from a standard modem command format, where said control information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format;

(b) said device wireless communication subsystem receiving said control information via wireless transmission directly via a wireless link and being responsive to the control

Application No. 09/706,592
Response to Official Action
November 21, 2006

Attorney Docket No. DN38415R1

information which is foreign to said standard modem command to effect a control operation even though said control information is foreign to said standard modem command and is not associated with said standard modem command according to said standard modem command format.

Claim 36 (new): A wireless communication system according to claim 35 wherein the standard modem command is followed by a number that gives the network identification of a wireless network that the device is to create.

Claim 37 (new): A wireless communication system according to claim 35 wherein the standard modem command is followed by a number that gives the network identification of a wireless network that the device is to join.

Claim 38 (new): A wireless communication system according to claim 35 wherein the standard modem command is followed by a number that specifies how long the device wireless communication subsystem capable of wireless communication will remain awake after a wireless message is sent.

Claim 39 (new): A wireless communication system according to claim 35 wherein the standard modem command is followed by a first number that gives the network identification of a wireless network, and is followed by a second number that specifies how long the device wireless communication subsystem capable of wireless communication will remain awake after a wireless message is sent.

Claim 40 (new): A wireless communication system according to claim 35 wherein the standard modem command is followed by a first number that gives the network identification of a wireless network, is followed by a second number that specifies how long the device wireless communication subsystem capable of wireless communication will remain awake after a wireless message is sent, and is followed by text data.

***Application No. 09/706,592
Response to Official Action
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Attorney Docket No. DN38415R1

Claim 41 (new): A wireless communication system according to claim 35 wherein the standard modem command causes the device to join any wireless network